NEWZEN CONSULTANTS BANGALORE

[illegible]

No: CQA/NTPS/2020-21/TC-[illegible] Date: 13-01-2021

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (S.[illegible])

(Project: Improvements to Roads and Drains at Thirumenahalli Colony Ward no 09.)

Ref: Material testing/PMC/20-21

Report Required for: Assistant Executive Engineer
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor: M/s M.S. Jaffna Infra Pvt Ltd, Bangalore.

PHYSICAL TESTS ON CEMENT

Grade : 53
Type : OPC

TABLE 1.1:

Sl No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	150 min	Shall not be less than 30 min
2	Final setting time	270 min	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	2.00%	Not to exceed 10 (5%
4	Soundness test (by Le-Chatelier's method)	2.00 mm	Shall not be more than 10 mm
5	Compressive strength a) 3 days (percentage of force taken)	28.60 N/Sq mm	Shall not be less than 27 N/Sq mm

The result of the materials tested meets the standards and hence can be used for the work.

Sample Collected late Thirumenahalli Colony 2nd Stage BBD

[illegible]

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NEWZEN CONSULTANTS BANGALORE

NEW TECHNOLOGIES TO INNOVATE

Date: 22-01-2021

NC/QC/YPD/2020-21/TC-PCC1

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: Improvements to Roads and Drains at Thirumenahalli Colony In Ward no.05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s M.S. Jathin Infra Pvt Ltd, Bangalore.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	65.70	0 -20	30- 70
10mm	32.55	0 -5	10- 35
4.75mm	4.05	-----	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	97.35	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	82.05	60-95	75-100	85-100	
01.18	70.20	30-70	55-90	75-100	
600.mic	45.80	15-34	35-59	60-79	
300.mic	24.55	5-20	8-30	12-40	
150.mic	6.20	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Thirumenahalli Colony 2nd Street RHS

NEWZEN CONSULTANT Bangalore

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NC/QC/APR/2020-21/11/C3 Date: 25-01-2021

1. TEST REPORT ON CEMENT

Sub Testing of 53 Grade Cement Sample (IS 12269-1987)
(Project* Improvements to Roads and Drains at Thirumenahalli Colony In Ward no 05.)
Ref. Material testing/PMC/20-21,
Report Required for Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor* M/s M S Jathin Infra Pvt Ltd, Bangalore

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O P C

TABLE 1.1:

Sl No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**163 min**	Shall not be less than 30 min
2	Final setting time	**275 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.19%**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.05 mm**	Shall not be more than 10 mm
5	Compressive strength b) 3 days (average of three results)	**28.75 N/Sq mm**	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Thirumenahalli Colony 2nd Street LHS

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Date: 25-01-2021

NC/QC/YPD/2020-21/TC-PCC2

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: Improvements to Roads and Drains at Thirumenahalli Colony In Ward no.05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s M.S. Jathin Infra Pvt Ltd, Bangalore.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	67.35	0 -20	30- 70
10mm	29.80	0 -5	10- 35
4.75mm	3.65	-----	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	95.70	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	83.25	60-95	75-100	85-100	
01.18	71.50	30-70	55-90	75-100	
600.mic	47.30	15-34	35-59	60-79	
300.mic	24.10	5-20	8-30	12-40	
150.mic	6.80	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Thirumenahalli Colony 2nd Street LHS

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Date: 28-01-2021

NC/QC/PD/2020-21/TC-CE1

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
(Project*: Improvements to Roads and Drains at Thirumenahalli Colony In Ward no.05.)
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s M.S. Jathin Infra Pvt Ltd, Bangalore.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**158 min**	Shall not be less than 30 min
2	Final setting time	**280 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**1.86 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**1.92 mm**	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	**28.55 N/Sq mm**	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Thirumenahalli Colony 5th Street LHS

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NEW TECHNOLOGIES TO INNOVATE

NC/QC/VPH/2020-21/TC-FA3 Date: 28-01-2021

1 TESTING OF FINE AGGREGATES

Sub: Testing of Fine Aggregates

(Project*: Improvements to Roads and Drains at Thiruvenkatalh Colony In Ward no 05)

Ref: Material testing PAR/20-21,

Report Requested for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore

Name of the Agency/Contractor*: M/s M S Jathin Infra Pvt Ltd, Bangalore

TABLE - 1.1: SIEVE ANALYSIS

IS Sieve Size,mm	Percentage Passing	Specification as Per IS 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -II	
04.75	98.35	90-100	90-100	90-100	The Sample Conforms to Grading Zone-II
02.36	83.20	60-95	75-100	85-100	
01.18	71.05	30-70	55-90	75-100	
600 mic	46.80	15-34	35-59	60-79	
300 mic	24.50	5-20	8-30	12-40	
150 mic	7.35	0-10	0-10	0-10	

TABLE 1.2:

Sl No	Test Conducted	Sample	Results	Requirements as Per IS Specification IS 383-1970 (Reaffirmed 2002)
1	Bulking of Sand	001	17.63%	------
2	Silt Content	----	0.58%	Not more than 8%
3	Specific Gravity	----	2.61	-------

The result of the materials tested meets the standards and hence can be used for the work.

Sample Collected Site: Thiruvenakatalh Colony 5th Street LHS

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NCQC/APD/2020-21/IV-81 Date: 28-01-2021

LTEST REPORT ON REINFORCEMENT STEEL:

Sub Testing of Reinforcement Steel of diameter 10and 12 mm TMT Steel.
(Project" Improvements to Roads and Drains at Thirumenahalli Colony In Ward no 05)
Ref. Material testing PMC/20-21.
Report Required for Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency Contractor" M/s M S Jathin Infra Pvt Ltd, Bangalore

TABLE - 1

Sl. No	Details	For 10 mm		For 12 mm	
		Test Results	Mm Req. as per IS 1786-2008	Test Results	Mm Req. as per IS 1786-2008
01	Observed diameter of bar	**10.0 mm**	10.0 mm	**12.0 mm**	12.0 mm
02	Observed Wt/m Length Kg/m	**0.621**	0.567	**0.893**	0.834
03	Proof stress/Yield stress, fy . N/mm^2	**554.0**	500.0	**556.0**	500.0
04	Bend/ Re bend Test	**Ok**	---	**Ok**	---
05	Percentage of Elongation, %	**19.80**	12.00	**20.60**	12.00
06	Ultimate Tensile Strength N/mm^2	**648.0**	545.0	**643.0**	545.0

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Thirumenahalli Colony 5th Street LHS

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NC/QC/YPD/2020-21/TC-CB1 Date: 08-02-2021

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub Testing of Concrete Cubes (for 07days Compressive Strength).
{Project* Improvements to Roads and Drains at Thirumenahalli Colony In Ward no.05 }
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s M.S. Jathin Infra Pvt Ltd, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	01-02-21	08-02-21	07	22500	370	16.44	**16.22**
	002	"	"	"	"	365	16.22	
	003	"	"	"	"	360	16.00	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Thirumenahalli Colony Cross Rd(2nd Street To 3rd Street) LHS

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NEW TECHNOLOGIES TO INNOVATE

NC/QC/YPD/2020-21/TC-CB2 Date: 10-02-2021

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength)
(Project*: Improvements to Roads and Drains at Thirumenahalli Colony In Ward no 05)
Ref: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore
Name of the Agency/Contractor*: M/s M.S. Jathin Infra Pvt Ltd, Bangalore

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	03-02-21	10-02-21	07	22500	365	16.22	16.15
	002	"	"	"	"	370	16.44	
	003	"	"	"	"	355	15.78	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Thirumenahalli Colony Cross Rd(2nd Street To 3rd Street) RHS

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NC/QC/YPD/2020-21/TC-CB3

Date: 11-02-2021

I. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Improvements to Roads and Drains at Thirumenahalli Colony In Ward no.05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s M.S. Jathin Infra Pvt Ltd, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	04-02-21	11-02-21	07	22500	375	16.67	**16.74**
	002	"	"	"	"	385	17.11	
	003	"	"	"	"	370	16.44	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Thirumenahalli Colony 3rd Street

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NC/QC/YPD/2020-21/TC-CB4 Date: 15-02-2021

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Improvements to Roads and Drains at Thirumenahalli Colony In Ward no 05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s M.S. Jathin Infra Pvt Ltd, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	08-02-21	15-02-21	07	22500	370	16.44	**16.67**
	002	"	"	"	"	380	16.89	
	003	"	"	"	"	375	16.67	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Thirumenahalli Colony Cross Rd(4th Street To 5th Street) LHS

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NC/QC/YPD/2020-21/TC-CB5

Date: 17-02-2021

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Improvements to Roads and Drains at Thirumenahalli Colony In Ward no 05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s M.S. Jathin Infra Pvt Ltd, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	10-02-21	17-02-21	07	22500	380	16.89	**16.81**
	002	"	"	"	"	370	16.44	
	003	"	"	"	"	385	17.11	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Thirumenahalli Colony 5th Street LHS

NEWZEN CONSULTANT Bangalore

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NC/QC/YPD/2020-21/TC-CB1A

Date: 01-03-2021

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: Improvements to Roads and Drains at Thirumenahalli Colony In Ward no.05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s M.S. Jathin Infra Pvt Ltd, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	01-02-21	01-03-21	28	22500	525	23.33	**22.96**
	002	"	"	"	"	515	22.89	
	003	"	"	"	"	510	22.67	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Thirumenahalli Colony 5th Street RHS

NEWZEN CONSULTANT Bangalore

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NC/QC/YPD/2020-21/TC/CB2A

Date: 03-03-2021

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength)
(Project*: Improvements to Roads and Drains at Thirumenahalli Colony In Ward no 05)
Ref: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore
Name of the Agency/Contractor*: M/s M.S. Jathin Infra Pvt Ltd, Bangalore

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	03-02-21	03-03-21	28	22500	515	22.89	22.59
	002	"	"	"	"	500	22.22	
	003	"	"	"	"	510	22.67	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Thirumenahalli Colony Cross Rd(Z-Shape)

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NC/QC/VPD/2020-21/TC-CRIA Date: 04-03-2021

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub Testing of Concrete Cubes (for 28days Compressive Strength)
(Project* Improvements to Roads and Drains at Thirumenahalli Colony In Ward no.05)
Ref. Material testing/PMC/20-21,
Report Required for Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore
Name of the Agency/Contractor* M/s M.S. Jathin Infra Pvt Ltd, Bangalore

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg Value
1	001	04-02-21	04-03-21	28	22500	495	22.00	22.22
	002	"	"	"	"	500	22.22	
	003	"	"	"	"	505	22.44	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Thirumenahalli Colony Cross Rd(L-Shape))

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NEWZEN CONSULTANTS BANGALORE

NEW TECHNOLOGIES TO INNOVATE

NC/QC/YPD/2020-21/TC-CB4A Date: 08-03-2021

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: Improvements to Roads and Drains at Thirumenahalli Colony In Ward no.05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s M.S. Jathin Infra Pvt Ltd, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	08-02-21	08-03-21	28	22500	510	22.67	**22.37**
	002	"	"	"	"	495	22.00	
	003	"	"	"	"	505	22.44	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Thirumenahalli Colony Opp to 2nd Street

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NEW TECHNOLOGIES TO INNOVATE

NC/QC/APD/2020-21/TC-CBSA

Date: 10-03-2021

I. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub Testing of Concrete Cubes (for 28days Compressive Strength)
(Project* Improvements to Roads and Drains at Thirumenahalli Colony In Ward no 05)
Ref. Material testing PMC/20-21.
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor* M/s M S Jathin Infra Pvt Ltd, Bangalore

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{50}

TABLE I.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	10-02-21	10-03-21	28	22500	515	22.89	22.81
	002	"	"	"	"	500	22.22	
	003	"	"	"	"	525	23.33	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Thirumenahalli Colony Cross Rd(4th Street To 5th Street) LHS

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NEW TECHNOLOGIES TO INNOVATE

NC/QC/YPD/2020-21/TC-D1 Date: 23-02-2021

TEST REPORT ON DRY LEAN CONCRETE

(GRADATION TEST)

Sub: To conduct Gradation test on Dry Lean Concrete (DLC) Mix.
{Project*: Improvements to Roads and Drains at Thirumenahalli Colony In Ward no.05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s M.S. Jathin Infra Pvt Ltd, Bangalore.

TEST RESULTS

1. Gradation Test:

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
26.50	100	100
19.00	93.55	75-95
9.50	62.10	50-70
4.75	49.35	30-55
2.36	36.90	17-42
0.600	18.55	8-22
0.300	16.30	7-17
0.150	10.75	2-12
0.075	6.40	0-10

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Thirumenahalli Colony 2nd Street

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NC/QC/YPD/2020-21/TC-D2

Date: 24-02-2021

TEST REPORT ON DRY LEAN CONCRETE

(GRADATION TEST)

Sub: To conduct Gradation test on Dry Lean Concrete (DLC) Mix.
{Project*: Improvements to Roads and Drains at Thirumenahalli Colony In Ward no.05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s M.S. Jathin Infra Pvt Ltd, Bangalore.

TEST RESULTS

1. Gradation Test:

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
26.50	100	100
19.00	91.25	75-95
9.50	65.15	50-70
4.75	45.25	30-55
2.36	36.80	17-42
0.600	19.30	8-22
0.300	15.10	7-17
0.150	9.65	2-12
0.075	5.25	0-10

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Thirumenahalli Colony Cross Rd(2nd Street To 3rd Street)

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NC/QC/YPD/2020-21/TC-D3 Date: 26-02-2021

TEST REPORT ON DRY LEAN CONCRETE
(GRADATION TEST)

Sub: To conduct Gradation test on Dry Lean Concrete (DLC) Mix.
{Project*: Improvements to Roads and Drains at Thirumenahalli Colony In Ward no 05.}
Ref. Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s M.S. Jathin Infra Pvt Ltd, Bangalore.

TEST RESULTS

1. Gradation Test:
TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
26.50	100	100
19.00	89.35	75-95
9.50	62.15	50-70
4.75	47.35	30-55
2.36	35.80	17-42
0.600	19.05	8-22
0.300	14.25	7-17
0.150	8.45	2-12
0.075	7.10	0-10

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Thirumenahalli Colony 4th Street

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